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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S16	200	garbage adj collection with (simplif\$7 optimiz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:13
S17	0	garbage adj collection with (simplif\$7 optimiz\$5) same operands	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:14
S18	0	garbage adj collection with (simplif\$7 optimiz\$5) same operand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:14
S19	7	garbage adj collection with (simplif\$7 optimiz\$5) same stack	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:19
S20	0	garbage adj collection with (simplif\$7 optimiz\$5) same spill	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:19
S21	4740	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:19
S22	0	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5) same spill	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:20
S23	49	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5) same stack	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:20

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S24	42	S23 not S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:20
S25	1	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5) same stack same bytecode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:20
S26	16	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5) same bytecode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 09:20
S27	1486	((707/206) or (712/202) or (717/146-148)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/19 07:13
S28	1670	((707/206) or (712/202) or (717/146-148) or (369/47.33)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/19 07:22
S29	4745	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 07:14
S30	84	S28 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 07:13
S31	49	((garbage adj collection) verif\$7) with (simplif\$7 optimiz\$5) same stack	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 07:14
S32	49	S29 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 07:14

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S33	5	S28 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 07:14
S34	597	(717/136).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/19 07:24
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1 [Adaptive techniques: Optimistic stack allocation for java-like languages](#)



Erik Corry

June 2006

Proceedings of the 2006 international symposium on Memory management ISMM '06

Publisher: ACM Press

 Full text available: [pdf\(155.23 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Stack allocation of objects offers more efficient use of cache memories on modern computers, but finding objects that can be safely stack allocated is difficult, as interprocedural escape analysis is imprecise in the presence of virtual method dispatch and dynamic class loading. We present a new technique for doing optimistic stack allocation of objects. Our technique does not require interprocedural analysis and is effective in the presence of dynamic class loading, reflection and exception han ...

Keywords: Java, garbage collection, stack allocation

2 [The Jalapeño dynamic optimizing compiler for Java](#)



Michael G. Burke, Jong-Deok Choi, Stephen Fink, David Grove, Michael Hind, Vivek Sarkar, Mauricio J. Serrano, V. C. Sreedhar, Harini Srinivasan, John Whaley

 June 1999 **Proceedings of the ACM 1999 conference on Java Grande JAVA '99**

Publisher: ACM Press

 Full text available: [pdf\(1.34 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Lambda, the ultimate label or a simple optimizing compiler for Scheme](#)



William D. Clinger, Lars Thomas Hansen

 July 1994 **ACM SIGPLAN Lisp Pointers , Proceedings of the 1994 ACM conference on LISP and functional programming LFP '94**, Volume VII Issue 3

Publisher: ACM Press

 Full text available: [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Optimizing compilers for higher-order languages need not be terribly complex. The problems created by non-local, non-global variables can be eliminated by allocating all such variables in the heap. Lambda lifting makes this practical by eliminating all non-local variables except for those that would have to be allocated in the heap anyway. The eliminated non-local variables become local variables that can be allocated in registers.

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[PDF] Exact Roots for a Real-Time Garbage Collector

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Garbage collection is traditionally not used in real-time systems ... performs ALU operations, load, store and **stack spill** or fill. At ...

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type=pdf&coll=GUIDE&dl=&CFID=7563748&CFTOKEN... - [Similar pages](#)**Slashdot | Review: Garbage Collection**The Boehm-Demer-Weiser **collector** implements a mark-sweep **garbage collector** that can replace C's malloc() function, scanning **stack** frames and registers for ...slashdot.org/books/99/03/29/1759239.shtml - 37k - [Cached](#) - [Similar pages](#)**[PDF] 1 Motivation 2 The Assignment**File Format: PDF/Adobe Acrobat - [View as HTML](#)In this assignment you will implement **garbage collection** for the MiniJava compiler. ... variables to the **stack** and just use a **spill** all register allocation.

...

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blog.gmane.org/gmane.comp.programming.garbage-

collection.boehmgc/month=20040301 - 54k - [Cached](#) - [Similar pages](#)**(course on) garbage collecting**Basically, a lot of computation has data properties "almost like a **stack**". We can take advantage of this by doing **garbage collection** less often on the older ...lists.tunes.org/archives/tunes/1994-December/000392.html - 10k - [Cached](#) - [Similar pages](#)**[PDF] Cycles to Recycle: Garbage Collection on the IA-64**File Format: PDF/Adobe Acrobat - [View as HTML](#)tures as they relate to supporting **garbage collection** (GC). We aim ... The register **stack** mechanism and register **spill**/fill instructions han- ...www.cs.umass.edu/~moss/papers/ismm-2000-ia64.pdf - [Similar pages](#)**Garbage Collection**Find Local Community Services.
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AR Adl-Tabatabai, M Cierniak, GY Lueh, VM Parikh, ... - Proceedings of the ACM SIGPLAN 1998 conference on ..., 1998 - portal.acm.org

... We discuss the details of **garbage collection** in Section 3. 2.2 Lazy ... that can be used,

generates code to **spill** the register to the **stack** frame, and...

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JM Stichnoth, GY Lueh, M Cierniak - Proceedings of the ACM SIGPLAN 1999 conference on ..., 1999 - portal.acm.org

... pointers for loop optimizations, or for **spill** code. ... without creating a new Java **stack** frame ... **Garbage Collection** and Local Variable Type-Precision and Liveness in ...

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System and method for swapping blocks of tagged stack entries between a tagged stack cache and an ... - group of 3 »

Z Ebrahim, AH Mohamed... - US Patent 5,893,121, 1999 - Google Patents

... use automatic **garbage collection** for storage management. ... an entire **stack** cache block

of N **stack** cache ... astack cache **spill** operation (also called a "swap out" ...

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[book] Memory subsystem performance of programs using copying garbage collection - group of 16 »

A Diwan, D Tarditi, E Moss - 1994 - ACM Press New York, NY, USA

... With a suitable analysis, a **stack** can be used ... Imge enough to allow the **garbage collector**

to resize ... and others (includes **spill** records, arrays, strings, vectors ...

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PICO Java-I: The Java Virtual Machine IN Hardware - group of 9 »

JM O'Connor, M Tremblay - ieeexplore.ieee.org

... This means that **garbage collection** checks for inter- generational pointers (described ear- lier) occur only when strictly ... **Spill** ... Figure 3. picoJava-I **stack** cache ...

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Cycles to recycle: garbage collection to the IA-64 - group of 7 »

RL Hudson, JE Moss, S Subramoney, W Washburn - Proceedings of the second international symposium on Memory ..., 2000 - portal.acm.org

... in designing and implementing the memory management and **garbage collection** (GC)

portions ... The register **stack** mechanism and register **spill**/fill instructions ...

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